

Resinoid 1365

Phenolic
Resinoid Engineering Corporation

Message:

Resinoid 1365 is a Phenolic product filled with glass fiber. It can be processed by compression molding, injection molding, or resin transfer molding and is available in North America. Typical application: Electrical/Electronic Applications.

Characteristics include:

Heat Resistant
High Strength
Impact Resistant

General Information	
Filler / Reinforcement	Glass Fiber
Features	Good Impact Resistance
	Good Thermal Stability
	High Strength
Uses	Electrical Parts
Appearance	Black
Forms	Pellets
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.2	MPa	ASTM D638
Flexural Strength (Yield)	119	MPa	ASTM D790
Compressive Strength	207	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	316	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	13	kV/mm	ASTM D149

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